



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/765,751 | 01/27/2004 | Matthias Sunder | H 4545A US | 1912 |
| 55495 | 7590 | 11/30/2006 | EXAMINER | |
| PAUL & PAUL 2000 MARKET STREET PHILADELPHIA, PA 19103-3229 | | | DOUYON, LORNA M | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1751 | |

DATE MAILED: 11/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/765,751

Applicant(s)

SUNDER ET AL.

Examiner

Lorna M. Douyon

Art Unit

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 76-81 and 87-95 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 76,77 and 87-94 is/are rejected.
- 7) ☒ Claim(s) 78-81 and 95 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

Art Unit: 1751

1. This action is responsive to the amendment filed on September 11, 2006.
2. Claims 76-81, 87-95 are pending.
3. The rejection of claims 76-77, 80-81, 87, 89, 90, 91, 93-95 under 35 U.S.C. 102(a) as being anticipated by Holderbaum et al. (CA 2,313,356), hereinafter "Holderbaum" is withdrawn in view of Applicants' submission of a certified translation of their foreign priority papers.
4. The rejection of claims 88 and 92 under 35 U.S.C. 103(a) as being unpatentable over Holderbaum as applied to the above claims, and further in view of Barford et al. (EP 0,055,100) is withdrawn for the same reason as in paragraph 3.

Claim Rejections - 35 USC § 103

5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
6. Claims 76-77, 88-90 and 92-94 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gladfelter et al. (US Patent No. 6,211,129), hereinafter "Gladfelter".

Gladfelter teaches a solid chemical concentrate system of at least two cooperative shapes, the first shape is an inwardly curved bar having an inner opening, and the second phase is an insert which is capable of interlocking with the bar by insertion into the bar inner opening (see abstract), wherein such interlocking is construed to read on the present claim's step of

Art Unit: 1751

connecting of the two shaped body parts by joining them. This interlocking also act as adhesion promoter as required in claim 77. The two piece cooperative chemical concentrate system may contain products that are cast, compressed or pelletized (see col. 2, lines 25-28; 56). Any application that requires a cleaning product, for example, laundry, clean-in-place, bottle washing applications, etc., may use this cleaning system (see col. 2, lines 56-59). In Working Example 1, Gladfelter teaches a detergent (bar) and a rinse aid (insert) wherein the detergent comprises 3% nonionic surfactant (Ecolab LF 428-benzyl ether of a polyethoxylated, 12 moles EO, linear alcohol, C₁₂₋₁₄), and the rinse aid comprises 59% Ecolab LF 428 as described above (see col. 15, line 65 to col. 16, line 10). Gladfelter, however, fails to specifically disclose the bar and insert being both prepared as cast products.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have prepared the two cooperative shapes, or the bar and insert in the form of cast solid because this is one of the selection of physical forms of the system taught by Gladfelter.

7. Claims 87 and 91 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gladfelter as applied to the above claims, and further in view of Ulbl et al. (US Patent No. 5,914,309).

Gladfelter teaches the features as described above. Gladfelter, however, fails to disclose the two cooperative shapes being made by sintering.

Ulbl teaches another technique^{which} can be used to produce so-called macrosolids which, besides tablets also include blocks for example. To this end, the compounds are joined together

Art Unit: 1751

at their points of contact with one another by local microwave-induced melting/sintering (see col. 1, lines 36-49).

It would have been obvious to one of ordinary skill in the art at the time the invention was made prepare the cooperative shapes of Gladfelter by sintering because it is shown by Ulbl that this is another technique for preparing macrosolids or blocks.

Allowable Subject Matter

8. Claims 78-81 and 95 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The following is a statement of reasons for the indication of allowable subject matter: None of the prior art of record teaches, discloses or suggests a process for the preparation of laundry detergent or cleaning product shaped bodies in the manner as those recited, and comprising the recited adhesion promoters, and wherein the noncompressed part (b) is particulate.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references are considered cumulative to or less material than those discussed above.

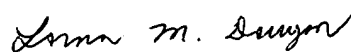
Art Unit: 1751

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lorna M. Douyon whose telephone number is (571) 272-1313.

The examiner can normally be reached on Mondays-Fridays from 8:00AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Lorna M. Douyon
Primary Examiner
Art Unit 1751